

New Location
 Drill Deeper
 Abandonment

FEB 1 1953

Company OWENS, LIBBEY-OWENS GAS DEPT.
 Address BOX 4158 CHARLESTON 4, W.VA.
 Farm CLYDE MILLER ETAL
 Tract 5 Acres 20 Lease No. 2204
 Well (Farm) No. 1 Serial No. 873
 Elevation (Spirit Level) 744.39
 Quadrangle WAYNE S 51.64" W 4.03"
 County WAYNE District Stonewall
 Engineer T. S. FLURNOY
 Engineer's Registration No. 269
 File No. _____ Drawing No. _____
 Date JAN. 19, 1953 Scale 1" = 200 FT.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. WAY-869

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

Deep Well

CLYDE MILLER ETAL. NO. 1 (873) - OWENS, L.O.G.D. - WAY-869

160 S. 38°10'
3.98 W. 82°20'



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 3

Wayne 5 NW (A-2)

WELL RECORD

Permit No. WAY - 869

Oil or Gas Well Gas
(KIND)

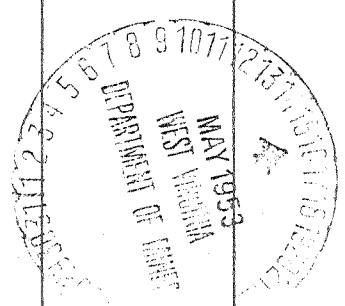
Company Owens, Libbey-Owens Gas Department
Address P. O. Box 4158, Charleston 4, W. Va.
Farm Clyde Miller Acres 20
Location (waters) Pig Lynn Creek
Well No. 1 Serial No. 873 Elev. 744.39
District Stonewall County Wayne
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Etta R. Pritchard
Address Wayne, W. Va.
Drilling commenced 1-30-53
Drilling completed 4-16-53
Date Shot 4-23-53 From 2097 To 3314
With 7,400 lbs. Detonite
Open Flow 9³/10ths Water in 1" plate _____ Inch
Br. shale & _____ /10ths Merc. in _____ Inch
Cornif. Volume 75 M Cu. Ft.
Rock Pressure 401 lbs. 53 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 195 feet _____ feet
Salt water 775-798 feet 1439 feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of
8 5/8"	300' 3"	300' 3"	
7"	1218' 2"	1218' 2"	Depth set
5 1/2"	1484' 1"	1484' 1"	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 163 FEET 2 1/2 INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
			0	12			
Sand	Light	Soft	12	40			
Slate	Dark	Soft	40	55			
Sand	Light	Soft	55	81			
Slate	Dark	Soft	81	96			
Sand	Light	Soft	96	163			
Coal	Black	Soft	163	165			
Slate	Dark	Soft	165	190			
Sand broken	Med.	Soft	190	218			Water @ 195, 8 BPH
Slate	Dark	Soft	218	240			
Sand	Light	Med.	240	250			Hole filling up
Sand	Light	Soft	250	270			
Slate	Black	Soft	270	281			
Slate	Dark	Soft	281	297			Ran 8 5/8" Csg. @ 281 on Csg. shoe
Sand	Grey		297	325			Water broke in under Pipe
Sand	White	Soft	325	337			
Slate	Dark	Soft	337	380			
							Pulled 8 5/8" csg. Reamed hole from 281 to 299 Reran 8 5/8" csg. at 300' on mid-get packer
Sand	Light	Med.	380	400			
Slate	Dark	Soft	400	480			
Sand	Light	Soft	480	495			
Slate	Light	Soft	495	540			
Sand	Light	Soft	540	572			
Slate	Dark	Soft	572	600			
Sand	Light	Soft	600	630			
Slate	Dark	Soft	630	652			
Sand broken	Light	Soft	652	682			
Slate	Dark	Soft	682	708			
Sand	Light	Soft	708	792			Water @ 775, 1 BPH



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand settling	White	Soft	792	807			Water @ 798, inc. from 1 BPH to 4 BPH
Sand	Light	Med.	807	833			SLM 833 = Sand LM 833, Water 807-833, Hole filling up.
Sand	White	Soft	833	892			
Sand	Light	Med.	892	912			
Sand	White	Soft	912	944			Top of water level 210'
Sand	White	Med.	944	1076			
Slate	Dark	Soft	1076	1080			
Sand	Light	Hard	1080	1096			
Slate	Gray	Soft	1096	1106			
Sl. & Shells	Gray	Soft	1106	1131			
Red Rock	Red	Soft	1131	1136			
Slate	Light	Soft	1136	1155			
Sl. & Shells	Light	Soft	1155	1162			
Sand	---	---	1162	1175			
Little Lime	Dark	Hard	1175	1193			SLM 1193 = Sand LM 1193
Slate	White	Soft	1193	1197			
Big Lime	Gray	Hard	1197	1217			SLM 1217 = Sand LM 1216. Ran 7" csg. at 1217' with shoe on bottom.
Big Lime	White	Hard	1217	1235			
Big Lime	Y	Hard	1235	1265			
Big Lime	Light	Hard	1265	1356			Show of oil 1334-1344
Red Injun	Red	Med.	1356	1361			SLM 1361 = Sand LM 1362. Shut down to test for oil. In 24Hrs. 14 gal. oil
							Next 2hrs. 2 " "
							" 2hrs. 2 " "
							" 2hrs. 1 " "
							" 2hrs. 1 " "
							" 2hrs. 1 " "
							" 2hrs. 1/2 " "
Red Injun	Red	Med.	1361	1398			
Gray Injun	Gray	Med.	1398	1439			
Sand	Gray	Soft	1439	1464			
Sand	Dark	Hard	1464	1469			Water 1439 to 1452, 20 gal. in 1 1/2 hrs.
Shell	Black	Hard	1469	1484			Bailed hole dry, tested at 1484: Water test-1Hr. 15 gal., 2Hr. 28 gal. Oil test - 3 pints per hr., when tested at 1350 ft. Ran 5 1/2" csg. on shoe at 1484 ft.
Shell	Dark	Hard	1484	1526			
Slate	Light	Soft	1526	1554			
Sl. & Shells	Light	Soft	1554	1571			SLM 1571 = Sand LM 1571. Dried up hole to test 5 1/2" csg. Shut down for weekend.
Sl. & Shells	Dark	Soft	1571	1795			
Slate	Light	Soft	1795	1830			
Sl. & Shells	Light	Soft	1830	1865			
Slate	Light	Soft	1865	1883			
Shell	Light	Hard	1883	1903			

Date May 15, 1953

APPROVED Owens-Libbey-Owens Gas Dept., Owner

By A. H. Smith Geologist
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 3A

WELL RECORD

Permit No. Way - 869

Oil or Gas Well _____ Gas
(KIND)

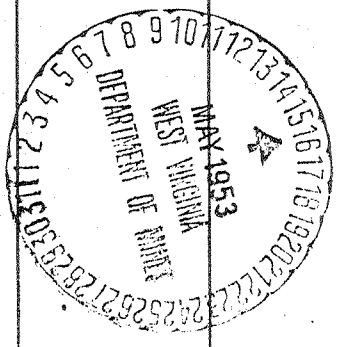
Company Owens, Libbey-Owens Gas Department
Address P. O. Box 4158, Charleston 4, W. Va.
Farm Clyde Miller Et Al Acres 20
Location (waters) _____
Well No. 1 Elev. 744.39
District Stonewall County Wayne
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/2			
6 1/2			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sl. & Shells	Light	Med.	1903	1941			SLM 1941 = Sand LM 1941
Sl. & Shells	Dark	Med.	1941	1968			
Slate	Light	Soft	1968	1971			
Shale	Brown	Soft	1971	1982			SLM 1982 = Sand LM 1986
Berea Sand	Dark	Hard	1982	1987			
Berea Sand	Light	Hard	1987	2008			
Berea Sand	Dark	Hard	2008	2012			
Sl. & Shell	White	Med.	2012	2027			
Shell	White	Hard	2027	2032			
Shell	Dark	Hard	2032	2050			
Sl. & Shell	White	Med.	2050	2053			
Slate	Light	Med.	2053	2057			Dried up hole at 2057 and tested for water & oil. Okay.
Shell	Light	Med.	2057	2063			
Sl. & Shell	Light	Soft	2063	2080			
Shell	Light	Hard	2080	2093			
Shell	Brown	Hard	2093	2096			
Brown Shale	Brown	Soft	2096	2175			SLM 2178 = Sand LM 2174
Slate	Light	Soft	2175	2178			
Sl. & Shell	White	Soft	2178	2232			SLM 2232 = Sand LM 2232
Sl. & Shell	White	Med.	2232	2254			
Sl. & Shell	White	Soft	2254	2363			
Br. Shale	Brown	Soft	2363	2384			
Sl. & Shell	Light	Soft	2384	2410			
Br. Shale	Brown	Soft	2410	2560			
Sl. & Shell	Light	Soft	2560	2595			
Br. Shale	Brown	Soft	2595	2669			
Sl. & Shells	Light	Soft	2669	2701			
Br. Shale	Brown	Soft	2701	2751			SLM 2717 = Sand LM 2720
Shale & Sh.	Brown	Med.	2751	2879			
Br. Shale	Brown	Soft	2879	2889			
Slate	Light	Soft	2889	3112			SLM 3043 = Sand LM 3043



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Br. Shale	Brown	Soft	3112	3124			
Shale & Shells	Br.	Med.	3124	3144			
Br. Shale	Brown	Med.	3144	3163			
Cornif. Lime	Light	Hard	3163	3174			SLM 3169 = Sand LM 3171
" Lime, Grit.	White	Hard	3174	3179			
" Lime	Light	Hard	3179	3276			SLM 3225 = Sand LM 3223
Sand	Gray	Hard	3276	3282		3163	
Lime, Gritty	Gray	Hard	3282	3289		744	
Sand	Gray	Hard	3289	3307		2419	
Lime, Gritty	Light	Hard	3307	3314			SLM 3314 = Sand LM 3314
		T. D.		3314			No. Gas
		Depth after shot		3277			Shot 4-23-53 with 7,400 lbs. Detonite from 2097 to 3314. Before shot "0" After shot: 19 Hrs. 9 3/10 W-1" 75 M Shut -in in 5 1/2" csg.

3276
 744

 2532
 3307

Date May 15, 1953, 1953

APPROVED Owens-Libbey-Owens Gas Dept., Owner

By A. H. Smith Geologist